

Eligibility

To be eligible, a small business must be legally established, organized for profit, and located in the United States. It must be owned by U.S. citizens or permanent resident aliens with 500 employees or less including any affiliates.

Procedure

Research and development capabilities must relate to a specific technical area listed in the annual SBIR and STTR solicitation. A proposal must be written and submitted electronically via our Electronic Handbook (EHB) at http://sbir.grc.nasa.gov.

Evaluation

Proposals are evaluated based on scientific/technical merit and feasibility; experience, qualifications, and facilities; effectiveness of the proposed work plan; and commercial potential and feasibility. For more information about the NASA SBIR and STTR programs, visit us on the Web at http://sbir.grc.nasa.gov or E-mail us at sbir@grc.nasa.gov

NASA Glenn Research Center 21000 Brookpark Road, MS 3-7 Cleveland, Ohio 44135

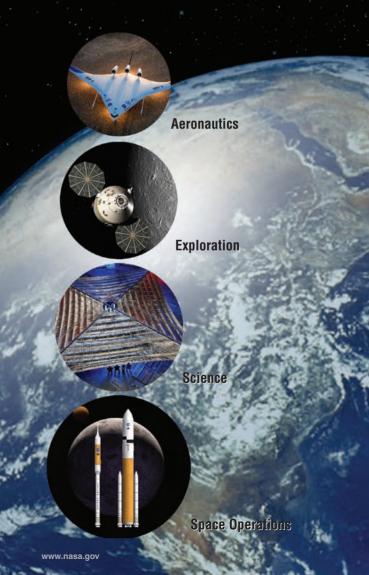
In addition to the SBIR and STTR programs, the Technology Transfer and Partnership Office at NASA Glenn is available to help companies form partnerships that can contribute to and benefit from NASA's research and development and technology innovations.

Learn more on the Web at http://technology.grc.nasa.gov
E-mail us at
TTP@grc.nasa.gov
or phone us at
216-433-3484

small business opportunities

through the SBIR and STTR programs

at NASA Glenn Research Center



NASA's SBIR and STTR Programs

The Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs annually fund small businesses to research, develop, and demonstrate innovative technologies that fulfill NASA needs. These technologies support NASA's Missions in Aeronautics, Exploration Systems, Science, and Space Operations.

NASA's annual funding for SBIR and STTR programs is approximately \$125 million per year. Of these funds, \$21 million go to contracts assigned to work with Glenn Research Center. NASA Glenn competencies have applications in the areas of

- Electronics
- Materials
- Sensors/instrumentation
- Biomedical
- Energy and power
- Software applications
- Physical sciences

Goals

The SBIR and STTR programs were established by public law in 1982 and amended in 1992. Both programs seek to improve overall U.S. competitiveness and increase national employment. STTR has the additional intent to foster technology transfer between small business concerns and nonprofit research institutions.

Innovation Process

Phase 1

Funds are awarded to determine the scientific, technical, and commercial merit and feasibility of the proposed innovation, in fulfillment of NASA needs. SBIR Phase 1 contracts last up to 6 months with a maximum funding of \$100,000. STTR Phase 1 contracts are typically for 1 year with the same contract value.

Phase 2

Continues the promising Phase 1 projects focusing on the development, demonstration, and delivery of the proposed innovation. Both SBIR and STTR Phase 2 contracts usually last for 24 months.

Phase 3

Commercialization of innovative technologies, products, and services resulting from Phase 2. These may transition into NASA programs, other Government agencies, or the private sector. Phase 3 contracts are funded from sources other than SBIR and STTR and may be awarded without further competition.

Benefits of Participating

- "Equity-free" funding to explore, develop, and demonstrate the feasibility of proposed innovations.
- Nondisclosure of proprietary data provided under the contract for a period of 4 years after the contract ends.
- Phase 3 contracts can be initiated by NASA, other Federal agencies, and prime contractors to the Government without further competition.
- Obtaining exposure, experience, and contacts within NASA that can lead to other contracts or subcontracts.
- Commercialization and utilization of innovations for other applications.





ATK Space Systems

Goleta, CA

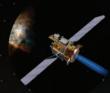
Advanced Flexible Thin-Film PV (FTFPV) Ultra Flex Solar Array System



Cox & Company, Inc.

New York, NY

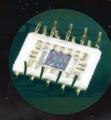
Economical Hybrid Anti-Icing System



ENTECH, Inc.

Keller, TX

Fresnel Lens
Photovoltaic
Concentrator Array



Makel Engineering, Inc.

Chico, CA

Compact Low-Cost Hazardous Gas Detection System



ManTech SRS Technologies, Inc.

Huntsville, VA

Deployable Collectors for Advanced Space Power and Propulsion Systems

For more success stories and hallmark videos visit http://sbir.gsfc.nasa.gov/SBIR/success.htm

OHIO SBIR COMPANIES



A & P Technology Cincinnati, Ohio

Affordable Composite
Fan Case With Damage
Tolerant Braided Fiber
Architecture



Sunpower, Inc.

Athens. Ohio

High-Efficiency, Long-Life, Low-Mass Stirling Engine for Low-Power Applications



WebCore Technologies

Dayton, Ohio

Design and Manufacture of Lightweight Composite Fan Case



ZIN Technologies, Inc.

Cleveland, Ohio

Compact Wireless
BioMetric Monitoring
and Real-Time Processing

System

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